

AMENDMENT

In the Claims:

The claims of the application have been amended as shown in the following listing of the claims which replaces all prior listings thereof:

1. (currently amended) A tool for transferring coil windings to a motor stator, the motor stator having a longitudinal center axis and a central plane encompassing the center axis, the tool comprising:

a first coil support portion configured to maintain a first bundle of coiled wire at a first height for insertion into a first set of motor stator slots, the first height being parallel to the plane; and

a second coil support portion configured to maintain a second bundle of coiled wire at a second height above the first height for insertion into a second set of motor stator slots adjacent to the first set of slots, the second height being parallel to the plane; and

a least one partition member disposed between the first and second coil support portions; wherein the tool is adapted to be inserted in an interior of the motor stator along a center axis of the stator such that with the first and second coil supports maintaining the first and second bundles at the first and second heights, the first and second bundles are in position to be received in the first and second sets of stator slots.

2. (original) The tool as recited in claim 1, wherein the coil support portions and partition member are configured to maintain each bundle of coiled wire in an vertical configuration such

that the cross section of the bundle of coiled wire has a greater height than width as determined with respect to the corresponding support portion.

3. (original) The tool as recited in claim 1, comprising a third coil support portion configured to maintain a third bundle of coiled wire at a third height above the second height for insertion into a third set of motor stator slots adjacent to at least one of the first and second set of slots.

4. (original) The tool as recited in claim 1, wherein the coil support portions comprise a plastic material.

5. (original) The tool as recited in claim 1, wherein the coil support portions include arcuate surface.

6. (original) The tool as recited in claim 1, wherein the at least one partition member comprises a plurality of spear-tipped members.

7. (currently amended) A form assembly for coiling wire, comprising:
a winding assembly including first and second wire guides each having a plurality of channels for receiving bundles of wire, the channels defining planes parallel and being configured to arrange the bundles of wire in each wire guide in a stepped configuration with

respect to one another, and a frame assembly configured to couple the first and second wire guides; and

a transfer tool selectively couplable to the winding assembly between the first and second wire guides, wherein the transfer tool is configured to maintain the stepped configuration of the bundles of wire upon removal of the bundles of wire from the wire guides; and

wherein the first and second wire guides are selectively adjustable to positions that correspond to positions of stator slots in an electrical device and allow the bundles in each wire guide to be received in the stator slots as the winding assembly and tool are inserted into an interior of the stator along a center axis of the stator parallel to the planes defined by the channels.

8. (original) The form assembly as recited in claim 7, wherein the frame assembly is configured to selectably adjust the distance between the first and second wire guides.

9. (original) The form assembly as recited in claim 7, wherein the transfer tool comprises a first and second coil support portions respectively configured to maintain a first bundle of wire at a first height and a second bundle of wire at a second height in accordance with the stepped configuration.

10. (original) The form assembly as recited in claim 9, wherein the transfer tool is configured to maintain each of the first and second. bundles of wire in a vertical configuration upon decoupling of the transfer tool from the winding assembly such that each bundle of wire

has a greater cross section height than width as determined with respect to the corresponding coil support portions.

11. (original) The form assembly as recited in claim 9, wherein the coil support portions comprise arcuate surfaces.

12. (original) The form assembly as recited in claim 7, comprising a latching mechanism configured to selectably secure the transfer tool to the winding assembly.

13. (original) The form assembly as recited in claim 7, wherein at least one of the first and second wire guides comprises a receiving portion configured to receive the transfer tool at a predetermined distance between the first and second wire guides.

14. (original) The form assembly as recited in claim 7, wherein the winding assembly is couplable to a rotating member.

15. (currently amended) A wire form assembly configured to coil a wire for insertion in a motor stator having a plurality of stator slots, each stator slot having a slot profile defined by a cross section of the slot perpendicular to the longitudinal axis of the stator, comprising:

a winding assembly including first and second wire guides having a plurality of channels for receiving bundles of wire, the channels being configured to arrange the bundles of wire in each wire guide in a stepped configuration with respect to one another and in a vertical

configuration such that the orientation of the bundle of wire corresponds to the stator slot profile for insertion of the bundle of wire into the stator slot, the vertical configuration defining planes parallel to the longitudinal axis of the stator; and

a transfer tool selectively couplable to the winding assembly between the first and second wire guides, wherein the transfer tool is configured to maintain the bundles of wire in the stepped configuration and the vertical configuration upon removal of the bundles of wire from the wire guides as the winding assembly and transfer are tool are inserted into an interior of the stator along the longitudinal axis of the stator and the bundles are received into the stator slots.

16. (original) The wire form assembly as recited in claim 15, wherein the transfer tool comprises a plurality of coil support portions configured to maintain the bundles of wire in the stepped configuration upon removal of the bundles of wire from the wire guides.

17. (original) The wire form assembly as recited in claim 16, wherein the coil support portions comprise arcuate surfaces.

18. (original) The wire form assembly as recited in claim 16, wherein the transfer tool comprises a plurality of partition portions configured to maintain the bundles of wire in the vertical configuration in cooperation with the coil support portions.

19. (original) The wire form assembly as recited in claim 15, wherein the winding assembly is couplable to a rotating member.

20. (currently amended) A winding form assembly for coiling wire for insertion into a motor stator, the motor stator having a longitudinal center axis and a central plane encompassing the center axis, the winding form assembly comprising:

a winding assembly including first and second wire guides having a plurality of channels for receiving bundles of coiled wire, the channels defining planes parallel to the stator central plane and being configured to arrange the bundles of coiled wire in each wire guide in a stepped configuration with respect to one another, and a frame assembly configured to couple the first and second wire guides; and

a transfer tool selectively couplable to the winding assembly between the first and second wire guides, comprising a first coil support portion configured to maintain a first bundle of coiled wire at a first height for insertion into a first set of motor stator slots, a second coil support portion configured to maintain a second bundle of coiled wire at a second height above the first height for insertion into a second set of motor stator slots; and

wherein the tool and winding assembly are adapted to be inserted in an interior of the motor stator along the center axis of the stator such that with the first and second coil supports maintaining the first and second bundles at the first and second heights, the first and second bundles are in position to be received in the first and second set of stator slots.

21. (original) The winding form assembly as recited in claim 20, wherein at least one of the coil support portions includes an arcuate surface.

22. (original) The winding form assembly as recited in claim 20, wherein the channels are defined by a plurality of wall portions and a base portion, and wherein the channels are configured to arrange the bundles of coiled wire located respectively therein in a vertical configuration such that the cross section of each bundle of coiled wire has a greater height than width as determined with respect to the base portion.

23. (original) The winding form assembly as recited in claim 20, wherein the coil support portions and the at least one partition member are configured to maintain the vertical configuration of the bundles of coiled wire upon removal of the bundles of coiled wire from the wire guides.

24.-41. (canceled).